

**Table 1**  
**Chula Vista Engineering Site Evaluation**

Criteria	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8
<b>Size</b>								
Adequate Area <sup>1</sup>	MBR/SBR, AWT	MBR/SBR, AWT, park	MBR/SBR, AWT, park	MBR/SBR, AWT, no park	MBR/SBR, no AWT with SBR, no park	MBR with AWT, no SBR, no park	MBR/SBR, AWT, park	MBR/SBR, AWT, park
Site Required for Lift Station (Qty)	No	No	No	No	Yes (2)	Yes (1)	Yes (2)	Yes (2)
<b>Wastewater Supply</b>								
Average WW Supply <sup>2</sup>	3.6 mgd (2010), 12.1 mgd (2030)	3.6 mgd (2010), 12.1 mgd (2030)	3.6 mgd (2010), 11.2 mgd (2030)	7.7 mgd from SCI & 3.2 mgd from Poggi (2030)	7.7 mgd from SCI & 3.1 mgd from Poggi (2030)	3.3 mgd (2010), 11.2 mgd (2030)	7.7 mgd from SCI & 2.9 mgd from Poggi (2030)	7.7 mgd from SCI & 2.9 mgd from Poggi (2030)
<b>Pumping</b>								
Site Elevation	30 ft	50 ft	80 ft	90 ft	260 ft	90 ft	420 ft	370 ft
Static Lift for WW	0 ft	10 ft drop	10 ft drop	30 ft drop from SCI/90 ft drop from Poggi	80 ft lift from SCI/0 ft from Poggi	50 ft lift from SCI	300 ft lift from SCI/100 ft from Poggi	260 ft lift for SCI/170 ft from Poggi
Static Pumping Elevation for RW	420 ft	400 ft	370 ft	360 ft	190 ft	360 ft	30 ft	80 ft
Total Pumping Static Lift	420 ft	400 ft	370 ft	360 ft	270 ft	410 ft	430 ft	510 ft
<b>Pipelines</b>								
Distance from RW Line (LF)	17,000	12,000	8,000	500	2,400	19,000	500	500
Distance from Interceptor or Trunk Sewer (Size)	1,200 LF from SCI (27")	500 LF from SCI (27")	1,400 LF from SCI (27")	2,000 LF from SCI (27")/ 6,000 LF from Poggi (21")	1,300 LF from SCI (21")/6,000 LF from Poggi (16")	9,600 LF to SCI (21")	5,000 LF from SCI (21")/ 2,400 LF from Poggi (16")	5,000 LF from SCI (21")/ 1,200 LF from Poggi (16")
Total New Pipeline Length (LF)	18,200	12,500	9,400	8,500	9,700	28,600	7,900	6,700

Notes:

<sup>1</sup> MBR = Membrane Bioreactor, SBR = Sequencing Batch Reactor, AWT = advanced water treatment

<sup>2</sup> 2010 flow values from current ADS monitoring data. 2030 buildout estimates provided from City for 2005 Sweetwater MBR Study. SCI = 42-inch Salt Creek Interceptor. Only one meter exists on this line and it's at the downstream end past all potential sites.